

Comparisons of Job Characteristics

Focus Occupation: Explosives Workers, Ordnance Handling Experts, and Blasters (47-5031)
Associated Occupation: Earth Drillers, Except Oil and Gas (47-5021)

Compare Knowledge
 Compare Skills
 Compare Abilities
 Compare Detailed Work Activities
 Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 66

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Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	15.0	10.2	<< Extensive education and/or training may be required
Public Safety and Security	6.9	9.2	15.7	>> Current knowledge level is likely more than sufficient
Building and Construction	4.0	7.6	7.2	0 Current knowledge level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 59

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Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation and Control	5.4	13.0	10.0	<< Extensive development of skills in this area may be required
Operation Monitoring	6.6	13.0	10.3	< A higher skill level may be required
Equipment Maintenance	3.5	9.0	5.6	<< Extensive development of skills in this area may be required
Repairing	3.4	8.4	5.0	<< Extensive development of skills in this area may be required
Troubleshooting	4.5	8.0	7.5	0 Current skill level may be sufficient
Equipment Selection	3.3	7.3	6.1	< A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 81

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Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Control Precision	6.6	13.9	11.4	<	Some improvement in abilities may be required
Multilimb Coordination	6.0	12.3	11.2	0	Current ability level may be sufficient
Reaction Time	4.8	11.5	12.3	0	Current ability level may be sufficient
Manual Dexterity	6.5	11.4	13.9	>	Current ability level is likely sufficient
Depth Perception	5.3	10.8	9.7	<	Some improvement in abilities may be required
Rate Control	3.8	10.6	7.6	<<	Extensive improvement in abilities may be required
Response Orientation	4.0	10.2	7.2	<<	Extensive improvement in abilities may be required
Hearing Sensitivity	5.6	9.2	8.4	0	Current ability level may be sufficient
Spatial Orientation	2.7	6.5	4.5	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 59

Focus Occupation: Explosives Workers, Ordnance Handling Experts, and Blasters (47-5031)
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Work Activities	Exclusivity of Activity
Drive automobile, van, or light truck	53
Operate hoist, winch, or hydraulic boom	34
Signal directions or warnings to coworkers	42
Use hand or power tools	2
Use measuring devices in construction or extraction work	41

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

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Tools and Technologies	Exclusivity
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Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.